



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 7**

11201 Renner Boulevard
Lenexa, Kansas 66219

July 30, 2020

(b) (6)

Re: Martha Rose Chemical, Holden, Missouri - EPA Site ID: MOD980633069

Dear **(b) (6)**

On May 20, 2020, representatives of the U.S. Environmental Protection Agency collected soil gas samples from your property. These samples were collected to evaluate vapor concentrations in shallow soils located on your property. The contaminants associated with the ongoing site investigation include tetrachloroethene (PCE) and trichloroethene (TCE). The samples were submitted for laboratory analysis of volatile organic compounds, including the site-related contaminants noted above. Results from these sampling events are summarized in the table below.

Sample Results:			PCE	TCE
(b) (6) Holden, Missouri			($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
Residential Exterior Soil Gas VI Screening Level			140	6.7
Sample Type	Sample ID	Collection Date	PCE Result	TCE Result
Soil Gas	8524-13	5/20/2020	Less than 3.4	Less than 1.4
Soil Gas	8524-14	5/20/2020	Less than 3.4	Less than 1.4
Soil Gas	8524-15	5/20/2020	Less than 3.4	Less than 1.4
Soil Gas	8524-16	5/20/2020	Less than 3.4	Less than 1.4
Soil Gas	8524-17	5/20/2020	Less than 3.4	Less than 1.4

Notes: Sample ID = Sample Identification # $\mu\text{g}/\text{m}^3$ = Micrograms per cubic meter ND = Not detected

Although all the samples obtained from your property on May 20, 2020, indicated no detections above soil gas screening levels, the analysis contained errors associated with water present in the samples. Due to the condition of these samples, follow up sampling is recommended to confirm the results. Multiple rounds of sampling are also anticipated for the site to account for seasonal variation and differing environmental conditions. The EPA will be contacting you regarding future sampling events.

This information is being provided to you in accordance with Section 104(e)(4)(B) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended.



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If you have any questions regarding this information, please contact me by phone at (913) 551-7449, by e-mail at schmaedick.manuel@epa.gov, or call toll free at (800) 223-0425. Thank you for your cooperation in this matter.

Sincerely,



Manuel Schmaedick
On-Scene Coordinator
Assessment, Emergency Response and Removal
Branch
Superfund and Emergency Management Division

Enclosures

cc: Valerie Wilder, MDNR



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**United States Environmental Protection Agency
Region 7
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06/10/2020

Results of Sample Analysis

Sample: 8524-13
Project ID: MS078D00

These are the results from the analysis of air sample number 8524-13. This sample was collected on 05/20/2020 at the location described as: (b) (6) - west of creek. If you have any questions about these results, contact Manuel Schmaedick at the above address or by calling 913-551-7449. Correspondence should refer to sample number 8524-13 for project: MS078D00 - Rose, Martha Chemical CO.

Analysis/Analyte	Amount Found	Units
<u>Air Volatiles Field Parameters</u>		
Canister ID	730	Identification, Species or Other ID
Regulator ID	N/A	Identification, Species or Other ID
Starting Pressure	-14.24	Inch of Mercury
Ending Pressure	-1.96	Inch of Mercury
<u>Volatile Organic Compounds (VOCs) in Air at Ambient Levels by Gas Chromatography and Mass Selective Detection (GC/MS)</u>		
1,1-Dichloroethane	Less Than 8.2	Micrograms per Cubic Meter
1,1-Dichloroethene	Less Than 2.0	Micrograms per Cubic Meter
Tetrachloroethene	Less Than 3.4	Micrograms per Cubic Meter
1,1,1-Trichloroethane	Less Than 11	Micrograms per Cubic Meter
Trichloroethene	Less Than 1.4	Micrograms per Cubic Meter
Vinyl Chloride	Less Than 1.3	Micrograms per Cubic Meter

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Results of Sample Analysis

Sample: 8524-14
Project ID: MS078D00

These are the results from the analysis of air sample number 8524-14. This sample was collected on 05/20/2020 at the location described as: (b) (6). If you have any questions about these results, contact Manuel Schmaedick at the above address or by calling 913-551-7449. Correspondence should refer to sample number 8524-14 for project: MS078D00 - Rose, Martha Chemical CO.

Analysis/Analyte	Amount Found	Units
<u>Air Volatiles Field Parameters</u>		
Canister ID	646	Identification, Species or Other ID
Regulator ID	N/A	Identification, Species or Other ID
Starting Pressure	-14.73	Inch of Mercury
Ending Pressure	-1.96	Inch of Mercury
<u>Volatile Organic Compounds (VOCs) in Air at Ambient Levels by Gas Chromatography and Mass Selective Detection (GC/MS)</u>		
1,1-Dichloroethane	Less Than 8.2	Micrograms per Cubic Meter
1,1-Dichloroethene	Less Than 2.0	Micrograms per Cubic Meter
Tetrachloroethene	Less Than 3.4	Micrograms per Cubic Meter
1,1,1-Trichloroethane	Less Than 11	Micrograms per Cubic Meter
Trichloroethene	Less Than 1.4	Micrograms per Cubic Meter
Vinyl Chloride	Less Than 1.3	Micrograms per Cubic Meter

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Results of Sample Analysis

Sample: 8524-15
Project ID: MS078D00

These are the results from the analysis of air sample number 8524-15. This sample was collected on 05/20/2020 at the location described as: (b) (6) - E of driveway. If you have any questions about these results, contact Manuel Schmaedick at the above address or by calling 913-551-7449. Correspondence should refer to sample number 8524-15 for project: MS078D00 - Rose, Martha Chemical CO.

Analysis/Analyte	Amount Found	Units
<u>Air Volatiles Field Parameters</u>		
Canister ID	631	Identification, Species or Other ID
Regulator ID	N/A	Identification, Species or Other ID
Starting Pressure	-14.73	Inch of Mercury
Ending Pressure	-1.96	Inch of Mercury
<u>Volatile Organic Compounds (VOCs) in Air at Ambient Levels by Gas Chromatography and Mass Selective Detection (GC/MS)</u>		
1,1-Dichloroethane	Less Than 8.2	Micrograms per Cubic Meter
1,1-Dichloroethene	Less Than 2.0	Micrograms per Cubic Meter
Tetrachloroethene	Less Than 3.4	Micrograms per Cubic Meter
1,1,1-Trichloroethane	Less Than 11	Micrograms per Cubic Meter
Trichloroethene	Less Than 1.4	Micrograms per Cubic Meter
Vinyl Chloride	Less Than 1.3	Micrograms per Cubic Meter

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Results of Sample Analysis

Sample: 8524-16
Project ID: MS078D00

These are the results from the analysis of air sample number 8524-16. This sample was collected on 05/20/2020 at the location described as: (b) (6) - W of driveway. If you have any questions about these results, contact Manuel Schmaedick at the above address or by calling 913-551-7449. Correspondence should refer to sample number 8524-16 for project: MS078D00 - Rose, Martha Chemical CO.

Analysis/Analyte	Amount Found	Units
<u>Air Volatiles Field Parameters</u>		
Canister ID	3922	Identification, Species or Other ID
Regulator ID	N/A	Identification, Species or Other ID
Starting Pressure	-14.24	Inch of Mercury
Ending Pressure	-2.46	Inch of Mercury

Volatile Organic Compounds (VOCs) in Air at Ambient Levels by Gas Chromatography and Mass Selective Detection (GC/MS)

1,1-Dichloroethane	Less Than 8.2	Micrograms per Cubic Meter
1,1-Dichloroethene	Less Than 2.0	Micrograms per Cubic Meter
Tetrachloroethene	Less Than 3.4	Micrograms per Cubic Meter
1,1,1-Trichloroethane	Less Than 11	Micrograms per Cubic Meter
Trichloroethene	Less Than 1.4	Micrograms per Cubic Meter
Vinyl Chloride	Less Than 1.3	Micrograms per Cubic Meter

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06/10/2020

Results of Sample Analysis

Sample: 8524-17
Project ID: MS078D00

These are the results from the analysis of air sample number 8524-17. This sample was collected on 05/20/2020 at the location described as: (b) (6) - W boundary. If you have any questions about these results, contact Manuel Schmaedick at the above address or by calling 913-551-7449. Correspondence should refer to sample number 8524-17 for project: MS078D00 - Rose, Martha Chemical CO.

Analysis/Analyte	Amount Found	Units
<u>Air Volatiles Field Parameters</u>		
Canister ID	L5187	Identification, Species or Other ID
Regulator ID	N/A	Identification, Species or Other ID
Starting Pressure	-14.73	Inch of Mercury
Ending Pressure	-1.96	Inch of Mercury
<u>Volatile Organic Compounds (VOCs) in Air at Ambient Levels by Gas Chromatography and Mass Selective Detection (GC/MS)</u>		
1,1-Dichloroethane	Less Than 8.2	Micrograms per Cubic Meter
1,1-Dichloroethene	Less Than 2.0	Micrograms per Cubic Meter
Tetrachloroethene	Less Than 3.4	Micrograms per Cubic Meter
1,1,1-Trichloroethane	Less Than 11	Micrograms per Cubic Meter
Trichloroethene	Less Than 1.4	Micrograms per Cubic Meter
Vinyl Chloride	Less Than 1.3	Micrograms per Cubic Meter